

Patent Abstracts of Japan

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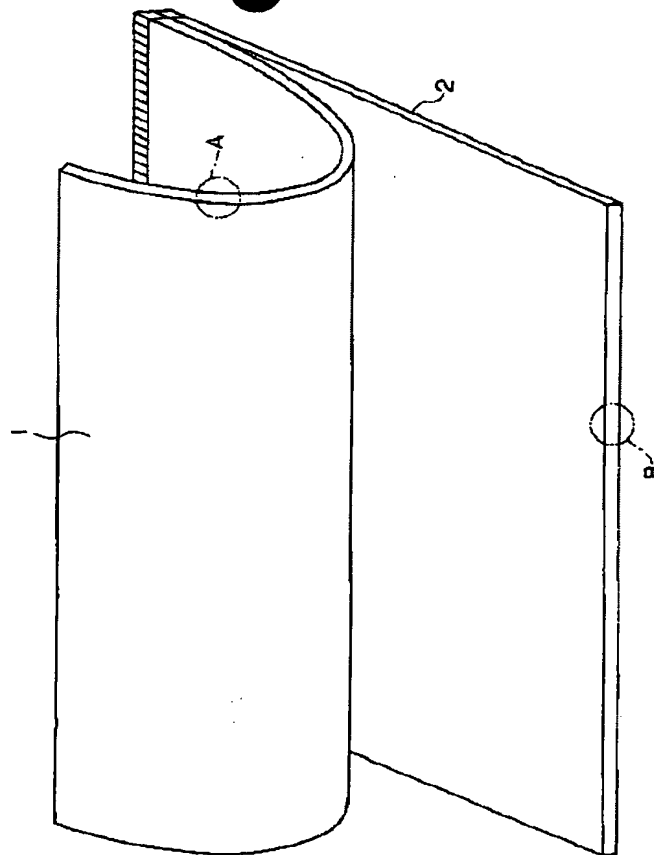
APPLICATION DATE : 29-01-01
APPLICATION NUMBER : 2001020806

APPLICANT : MARUTAKA SEIHAN:KK;

INVENTOR : KANBE TAKAO;

INT.CL. : A47B 97/00

TITLE : DESK MAT



ABSTRACT : PROBLEM TO BE SOLVED: To overcome problems such that a conventional desk mat is easily scratched, becomes clouded with grease of a hand, has low transparency, has a jointing place of a sheet easily stripped off when coated with a UV coating, and has the sheet warped in the application of the UV coating to only one side.

SOLUTION: A protective layer is formed by laminating an ionomer resin on both a surface and a backside of a core material composed of an ethylene based resin or an elastomer having an ethylene based resin as a base. An intermediate layer composed of metallocene-catalyzed low density polyethylene(mLDPE) or an ethylene/methylmethacrylate copolymer (EMMA) resin is provided between the core material and the protective layer. The upper sheet of the jointing type desk mat, wherein the upper and lower sheets are superposed for jointing, is taken as a sheet wherein the protective layer is formed by laminating the ionomer resin on both the surface and the backside of the core material composed of the ethylene based resin or the elastomer having the ethylene based resin as the base, or a sheet wherein the intermediate layer composed of mLDPE or EMMA is provided between the core material and the protective layer.

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APPLICATION DATE : 18-01-01
APPLICATION NUMBER : 2001009890

APPLICANT : MITSUI CHEMICALS INC;

INVENTOR : NISHIMURA TOSHIHIRO;

INT.CL. : B32B 27/32 C08F210/02

TITLE : EASILY TEARABLE COMPOSITE FILM

ABSTRACT : PROBLEM TO BE SOLVED: To provide an easily tearable composite film which is excellent in balance among impact resistance, transparency, heat-seal properties, and easy tearability, can be processed to make a bag as a packaging material for food, etc., makes hygienic packaging possible, and can be opened easily by being pulled horizontally by weak force.

SOLUTION: In the composite film, the first layer of linear low density polyethylene (A), the second layer of an ionomer resin (B), and the third layer of the linear low density polyethylene resin (A) are laminated in turn. The linear low density polyethylene which forms the first and third layers is an ethylene- α -olefin copolymer prepared by using a metallocene catalyst for polymerizing olefins and has a density of 0.905-0.950 g/cm³ and a melt flow rate of 0.5-4.0 g/10 min.

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